PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 2 (SOLOMONS ISLAND ROAD) AND HARWOOD ROAD IN ANNE ARUNDEL COUNTY. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, SEMI-ACTUATED MODE WITH MD 2 APPROACHED OPERATING CONCURRENTLY. AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR NORTHBOUND MD 2 SHALL BE PROVIDED. HAZARD IDENTIFICATION BEACONS (H.I.B.) SHALL BE INSTALLED ON MD 2 NORTH AND SOUTH OF THE INTERSECTION.

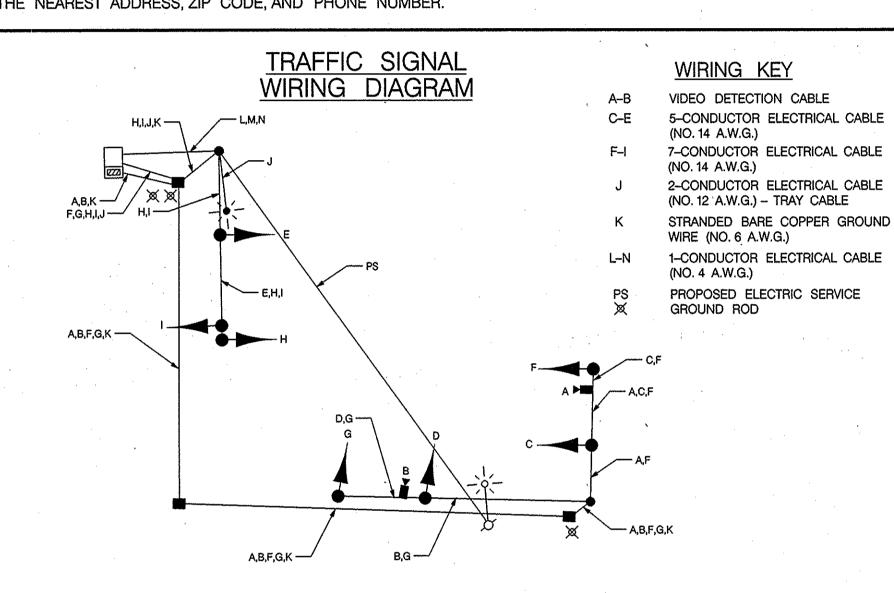
CONTROLLER REQUIREMENTS

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER AND VIDEO DETECTION INTERFACE EQUIPMENT HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.
FOR THE H.I.B., INSTALL A TWO CIRCUIT FLASHER UNIT HOUSED IN A "G" TYPE POLE MOUNTED CABINET.

SPECIAL NOTE

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UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF THE MSHA AT (410) 787–7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR MUST PROVIDE MR. SNYDER WITH THE NEAREST ADDRESS, ZIP CODE, AND PHONE NUMBER.



EQUIPMENT LIST "A"

A EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO. QUANTITY DESCRIPTION

NONE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
5 CY	TEST PIT EXCAVATION
100 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
2 EA	FURNISH AND INSTALL 300 FT. VIDEO DETECTION CABLE
2 EA	CUT, CLEAN, AND CAP TRAFFIC SIGNAL STRUCTURE
3 EA	FURNISH AND INSTALL 8 IN. VEHICULAR SIGNAL HEAD SECTION
26 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION
1 EA	FURNISH AND INSTALL 15 FT. STREET LIGHTING ARM
1 EA	FURNISH AND INSTALL 250 WATT HPSV LUMINAIRE
1 EA	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
1 EA	FURNISH AND INSTALL 50 FT.MAST ARM AND POLE
1 EA	FURNISH AND INSTALL 50 FT./60 FT. TWIN MAST ARMS AND POLE
2 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
1 EA	FURNISH AND INSTALL VIDEO INTERFACE EQUIPMENT
130 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
250 LF	FURNISH AND INSTALL 4 IN SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
870 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
12 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
25 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER WIRE
120 LF	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR (NO. 4 A.W.G.)
11 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
5 E A	FURNISH AND INSTALL GROUND ROD 3/4 IN DIAMETER X 10 FT. LENGTH
1470 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
720 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)
80 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 12 A.W.G.) - TRAY CABLE
1 EA	FURNISH AND INSTALL BASE MOUNTED CABINET AND CONTROLLER
2 EA	FURNISH AND INSTALL D3-2 DUAL FACE SIGN (VAR. X 16") - MAST ARM MOUNT
2 EA	FURNISH AND INSTALL W3-3 SIGN (36" X 36") WITH "NEW" PANEL (24"X24") AND FLAGS - GROUND MOUN
2 EA	FURNISH AND INSTALL M95-1 (MOD.) SIGN (72" X 40") - MAST ARM MOUNT
20 LF	FURNISH AND INSTALL 2 IN SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
110 LF	REMOVE EXISTING PAVEMENT MARKING LINE
2 EA	FURNISH AND INSTALL 14 FT. BREAKAWAY PEDESTAL POLE
3 EA	REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORTS
1 EA	RELOCATE S1-1 SIGN AND SUPPORTS
	RELOCATE D3-2 SIGN (CONTRACTOR TO SUPPLY NEW MOUNTING HARDWARE)

AB BO AB BO

WIRING KEY

WIRE (NO. 6 A.W.G.) GROUND ROD

5-CONDUCTOR ELECTRICAL CABLE

STRANDED BARE COPPER GROUND

H.I.B. WIRING DIAGRAM

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787–7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO. QUANTITY

NONE

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

DESCRIPTION

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS, KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC MR. CHARLES GEORGE

ASSISTANT DISTRICT ENGINEER - MAINTENANCE

(410) 841–1002

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES

ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 841-1005

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS

(410) 841-1003

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787–7676

(410) 787-7630 MR. ROBERT SNYDER

MS. DARLENE EIDE

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668

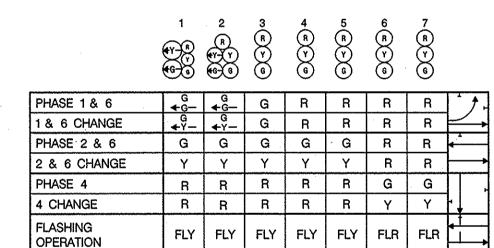
MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

CONTACTS FOR UTILITIES

B G E NEW SERVICE SUE GEISLER (410) 859–9334

JIM CUNNINGHAM (410) 224-9500

PHASING CHART





STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN MD 2 (SOLOMONS ISLAND ROAD)

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E

Gambrills, MD 21054 (410) 923–7101 FAX (410) 923–6473

FAX (410) 923–6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

 AND HARWOOD ROAD

 SCALE
 NONE
 DATE
 6-16-06
 CONTRACT NO.
 BW996M82

 DESIGNED BY
 T. ZAYDEL
 COUNTY
 ANNE ARUNDEL

 DRAWN BY
 T. ZAYDEL
 LOGMILE
 02000211.07

 CHECKED BY
 K. SCHMID
 T.I.M.S. NO.
 H 429

 F.A.P. NO.
 N/A
 TOD NO.

 DRAWING NO. TS-4489 GI
 SHEET NO.
 3 OF 3